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Listing of Claims

1. (Previously Presented) A polymeric metal complex composition comprising (a) a conjugated polymeric backbone; (b) a plurality of a first-type functional groups; and (c) a plurality of first-type inert spacer groups, wherein:

each of the plurality of first-type functional groups is covalently bound to at least one of the plurality of first-type inert spacer groups, which first-type inert spacer groups are covalently bound to the polymeric backbone; and

at least a portion of each of the plurality of first-type functional groups is coordinated to at least one metal, wherein at least one of the plurality of first-type inert spacer groups is an alkyl chain of from 4 to 12 carbon atoms.

- 2. (Withdrawn) The composition of Claim 1, further comprising (d) a plurality of second-type functional groups.
- 3. (Withdrawn) The composition of Claim 2, wherein at least one of the plurality of second-type functional groups is covalent bound to at least one of a plurality of second-type inert spacer groups, which second-type inert spacer groups are covalently bound to the polymeric backbone.
- 4. (Withdrawn) The composition of Claim 3, wherein at least one of the plurality of the first-type inert spacer groups is the same composition as at least one of the plurality of the second-type inert spacer groups.
- 5. (Withdrawn) The composition of Claim 4, wherein at least one of the plurality of first-type functional groups is covalently bound to an inert spacer group that is also covalently bound to at least one of the second-type functional groups.
- 6. (Original) The composition of Claim 1, wherein the ratio of the number of first-type inert spacer groups to the number of first-type functional groups is 1:1.
- 7. (Withdrawn) The composition of Claim 3, wherein the ratio of the number of second-type inert spacer groups to the number of second-type functional groups is 1:1.
- 8. (Original) The composition of Claim 1, wherein the conjugated polymeric backbone has at least one recurring monomeric unit selected from fluorenediyls, phenylenes, phenylenes, oxadiazolediyls, thiophenediyls, and arylaminediyls.

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- 9. (Original) The composition of Claim 1, wherein the conjugated polymeric backbone has a non-conjugated segment comprising recurring monomeric units selected from vinyl carbazolediyls and triarylmethanediyls.
 - 10. (Canceled)
- 11. (Withdrawn) The composition of Claim 3, wherein at least one of the plurality of second-type inert spacer groups is an alkyl chain of from 1 to 12 carbon atoms.
- 12. (Original) The composition of Claim 1, wherein at least one of the plurality of first type functional groups is selected from β -dicarbonyls, phosphinoalkanols, aminocarboxylic acids, iminocarboxylicacids, salycylic acids, and hydroxyquinolines.
- 13. (Previously Presented) The composition of Claim 1, wherein at least one of the metals is selected from iridium, platinum, rhenium and ruthenium.
- 14. (Previously Presented) The composition of Claim 13, wherein at least one of the metals is further coordinated to at least one ligand selected from 2-arylpyridines, 2-arylpyrimidines and 2-arylquinolines, 2-thienylpyridines, 2-thienylquinolines, 2-thienyldiazines, 2-pyrrolylpyridines, 2-pyrrolylquinolines, and 2-pyrrolyldiazines.
- 15. (Previously Presented) A luminescent material comprising at least one polymeric metal complex composition comprising (a) a conjugated polymeric backbone; (b) a plurality of a first-type functional groups; and (c) a plurality of first-type inert spacer groups, wherein:

each of the plurality of first-type functional groups is covalently bound to at least one of the plurality of first-type inert spacer groups, which first-type inert spacer group is covalently bound to the polymeric backbone, and

at least a portion of each of the plurality of first-type functional groups are coordinated to at least one metal, wherein at least one of the plurality of first-type inert spacer groups is an alkyl chain of from 4 to 12 carbon atoms.

- 16. (Withdrawn)The luminescent material of Claim 15, wherein the at least one polymeric metal complex composition further comprises (d) a plurality of second-type functional groups.
- 17. (Withdrawn) The luminescent material of Claim 16, wherein at least one of the plurality of second-type functional groups is covalent bound to at least one of a

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plurality of second-type inert spacer groups, which second-type inert spacer groups are covalently bound to the polymeric backbone.

- 18. (Withdrawn) The luminescent material of Claim 17, wherein at least one of the plurality of the first-type inert spacer groups is the same composition as at least one of the plurality of the second-type inert spacer groups.
- 19. (Withdrawn) The luminescent material of Claim 17, wherein at least one of the first-type functional groups is covalently bound to an inert spacer group that is also covalently bound to at least one of the second-type functional groups.
- 20. (Original) The luminescent material of Claim 15, wherein the ratio of the number plurality of first-type inert spacer groups to the number of the plurality of first-type functional groups is 1:1.
- 21. (Withdrawn) The luminescent material of Claim 17, wherein the ratio of the number plurality of second-type inert spacer groups to the number of plurality of second-type functional groups is 1:1.
- 22. (Original) The luminescent material of Claim 15 wherein the conjugated polymeric backbone has at least one recurring monomeric unit selected from fluorenediyls, phenylenes, phenylenevinylenes, oxadiazolediyls, and thiophenediyls.
 - 23. (Canceled)
- 24. (Withdrawn) The luminescent material of Claim 17 wherein at least one of the plurality of second-type inert spacer groups is an alkyl chain of from 1 to 12 carbon atoms.
- 25. (Original) The luminescent material of Claim 15 wherein at least one of the first type functional groups is selected from β -dicarbonyls, phosphinoalkanols, aminocarboxylic acids, iminocarboxylicacids, salycylic acids, and hydroxyquinolines.
- 26. (Previously Presented) The luminescent material of Claim 15 wherein at least one of the metals is selected from iridium, platinum, rhenium, and ruthenium.
- 27. (Previously Presented) The luminescent material of Claim 26 wherein at least one of the metals is further coordinated to at least one ligand selected from 2-arylpyridines, 2-arylpyrimidines and 2-arylquinolines, 2-thienylpyridines, 2-thienylquinolines, 2-thienyldiazines, 2-pyrrolylpyridines, 2-pyrrolylquinolines, and 2-pyrrolyldiazines.

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- 28. (Original) The luminescent material of Claim 15 wherein the conjugated polymeric backbone has at least one fluorenediyl recurring monomeric unit, the first type functional group is a β -dicarbonyl, and the metal is iridium.
- 29. (Previously Presented) An organic electronic device comprising at least one polymeric metal complex composition comprising (a) a conjugated polymeric backbone; (b) a plurality of a first-type functional groups; and (c) a plurality of first-type inert spacer groups, wherein:

each of the plurality of first-type functional groups is covalently bound to at least one of the plurality of first-type inert spacer groups, which first-type inert spacer group is covalently bound to the polymeric backbone, and

at least a portion of each of the plurality of first-type functional groups is coordinated to at least one metal, wherein at least one of the plurality of first-type inert spacer groups is an alkyl chain of from 4 to 12 carbon atoms.

- 30. (Withdrawn) The device of Claim 29, wherein the at least one polymeric metal complex composition further comprises (d) a plurality of second-type functional groups.
- 31. (Withdrawn) The device of Claim 30, wherein at least one of the plurality of second-type functional groups is covalent bound to at least one of a plurality of second-type inert spacer groups, which second-type inert spacer groups are covalently bound to the polymeric backbone.
- 32. (Withdrawn) The device of Claim 31, wherein at least one of the plurality of the first-type inert spacer groups is the same composition as at least one of the plurality of the second-type inert spacer groups.
- 33. (Withdrawn) The device of Claim 32, wherein at least one of the first-type functional groups is covalently bound to an inert spacer group that is also covalently bound to at least one of the second-type functional groups.
- 34. (Original) The device of Claim 29, wherein the ratio of the number of plurality of first-type inert spacer groups to the number of plurality of first-type functional groups is 1:1.
- 35. (Withdrawn) The device of Claim 31, wherein the ratio of the number of plurality of second-type inert spacer groups is covalently bound to the number of plurality of second-type functional groups is 1:1.

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- 36. (Original) The device of Claim 29 wherein the conjugated polymeric backbone has at least one recurring monomeric unit selected from fluorenediyls, phenylenes, phenylenevinylenes, oxadiazolediyls, and thiophenediyls.
 - 37. (Canceled)
- 38. (Withdrawn) The device of Claim 31 wherein at least one of the plurality of second-type inert spacer groups is an alkyl chain of from 1 to 12 carbon atoms.
- 39. (Original) The device of Claim 29 wherein at least one of the first type functional groups is selected from β -dicarbonyls, phosphinoalkanols, aminocarboxylic acids, iminocarboxylicacids, salycylic acids, and hydroxyquinolines.
- 40. (Previously Presented) The device of Claim 29 wherein at least one of the metals is selected from iridium, platinum, rhenium, and ruthenium.
- 41. (Previously Presented) The device of Claim 40 wherein at least one of the metals is further coordinated to at least one ligand selected from 2-arylpyridines, 2-arylpyrimidines and 2-arylquinolines, 2-thienylpyridines, 2-thienylquinolines, 2-thienyldiazines, 2-pyrrolylquinolines, and 2-pyrrolyldiazines.